

Practitioner's Docket No. MPI98-105P1RCP2DV1M

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Raju, Jeyaseelan  
Application No.: 10/626,173                      Group No.: 1652  
Filed: July 24, 2003                      Examiner: Monshipouri, Maryam  
For: NOVEL CARB PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
THEREFOR

**Mail Stop Amendment**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING  
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

The information disclosure statement submitted herewith is being filed:

☐ Within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

**OR**

☒ *After* three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but *before* the mailing date of either:

**CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10\***

I hereby certify that, on the date shown below, this correspondence is being:

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**37 C.F.R. SECTION 1.8(a)**

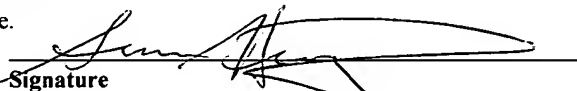
**37 C.F.R. SECTION 1.10\***

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Date: January 11, 2005

Sean Hunziker  
(type or print name of person certifying)

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Practitioner's Docket No. MPI98-105P1RCP2DV1M

- (1) a final action under Section 1.113,
- (2) a notice of allowance under Section 1.311, or
- (3) an action that otherwise closes prosecution in the application

whichever occurs first.

☒ Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).

☐ Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).

☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).

OR

☐ The information disclosure statement transmitted herewith is being filed *after* a final action under Section 1.113, or a notice of allowance under Section 1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee.

☐ In accordance with the requirements of 37 C.F.R. Section 1.97(d):

A. ☐ Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).

B. ☐ Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).

C. ☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).

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**FEE PAYMENT**


3. ☒ The fee due is set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c) (\$180.00).

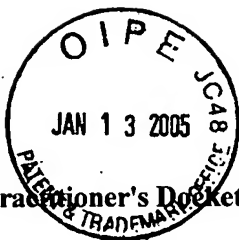
☐ Applicant believes no fee is due in connection with this submission.

		Fee due	\$180.00
<b>METHOD OF PAYMENT OF FEE</b>			
4. <input type="checkbox"/> Attached is a check in the amount of \$ _____.			
<input checked="" type="checkbox"/> Charge Account No. 501668 in the amount of		\$180.00	.

☒ A duplicate of this request is attached.

If any additional fees are due, please charge Account 501668.

<u>January 11, 2005</u>	<b>MILLENNIUM PHARMACEUTICALS, INC.</b> By <u></u> Mario Cloutier Limited Recognition Under 37 C.F.R. §10.9(b) 40 Lansdowne Street Cambridge, MA 02139 Telephone – (617) 577-3522 Facsimile – (617) 551-8820
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Commissioner for Patents  
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Alexandria, VA 22313-1450**

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

**List of Sections Forming Part of This Information Disclosure Statement**

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements
2. ☒ Form PTO/SB/08B (6 pages)
3. ☒ Copies of Listed Information Items Accompanying This Statement (54 references)

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**Preliminary statements**

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.


The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

**Copies of Listed Information Items Accompanying This Statement**

Legible copies of all items listed in PTO/SB/08B (substitute for Form PTO-1449) accompany this information statement.

January 11, 2005

MILLENNIUM PHARMACEUTICALS, INC.

By:   
Mario Cloutier  
Limited Recognition Under 37 C.F.R. §10.9(b)  
40 Lansdowne Street  
Cambridge, MA 02139  
Telephone – (617) 577-3522  
Facsimile – (617) 551-8820



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Substitution for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/626,173
		Filing Date	July 23, 2004
		First Named Inventor	Raju, Jeyaseelan
		Group Art Unit	1652
		Examiner Name	Maryam Monshipouri
		Attorney Docket Number	MPI98-105PIRCP2DV1M
Sheet	1	of	6

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	C1	"Hypothetical Protein" 12 November 1999 (sequence) TrEMBL [online], Geneva, Switzerland, Swiss Institute of Bioinformatics [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://expasy.ch.sprot/">URL:http://expasy.ch.sprot/</a> . TrEMBL Accession No. Q9Y2V6.	
	C2	Jeffrey, P. D. et al., "Chain A, Cyclin A – Cyclin-Dependent Kinase 2 Complex." 14 July 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL:http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AF261233.	
	C3	Russo, A. A. et al., "Chain A, Phosphorylated Cyclin-Dependent Kinase-2 Bound to Cyclin A" 03 July 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. 1JST_A.	
	C4	Sicheri, F. et al., "Chain A, Src Family Kinase Hck-Amp-PnP Complex" 20 February 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. 1AD5_A.	
	C5	Mohammadi, M. et al., "Chain A, Crystal Structure of the Tyrosine Kinase Domain of Fibroblast Growth Factor Receptor 1" 08 February 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. 1FGK_A.	
	C6	Liszewicz, J. et al., "Protein Kinase (EC 2.7.1.37), cAMP-Dependent, catalytic chain 1 – Yeast ( <i>Saccharomyces cerevisiae</i> )" 21 July 2000 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. OKBYC1.	
	C7	Xu, W. et al., "Crystal Structure of Human Tyrosine-Protein Kinase C-Src" 24 January 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. 1FMK.	
	C8	Ebina, Y. et al., "Insulin Receptor (Tyrosine Kinase Domain) Mutant with Cys 981 Replaced By Ser and Tyr 984 Replaced by the Phe (C981s, Y984f)" 04 December 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. 1IRK.	
	C9	Tan, J. L. et al., "Protein-Tyrosine Kinase (EC 2.7.1.112) 1 – Slime Mole ( <i>Dictyostelium discoideum</i> ) (fragment)" 04 February 2000 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. A35670.	
	C10	NCI-CGAP, "ah70b01.s1 Soares_testis_NHT Homo Sapiens cDNA clone 1320937 3', mRNA sequence" 29 December 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AA758546.	

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	10/626,173
		<b>Filing Date</b>	June 23, 2004
		<b>First Named Inventor</b>	Raju, Jeyaseelan
		<b>Group Art Unit</b>	1652
		<b>Examiner Name</b>	Maryam Monshipouri
<b>Sheet</b>	2	<b>of</b>	6
		<b>Attorney Docket Number</b>	MPI98-105P1RCP2DV1M

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	C11	Hwang, D. M. et al., "M186 Fetal Heart, Lambda ZAP Express Homo Sapiens cDNA 5', mRNA sequence" 23 April 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AA389675.	
	C12	NCI-cGAP, "op74a11.s1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE: 1582556 3', mRNA Sequence" 24 September 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AA938871.	
	C13	Shinn, P. et al., "F2401.13 [Arabidopsis thaliana]" 16 January 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AAB96858.	
	C14	Connell, M., "Caenorhabditis elegans cosmid C24A1, complete sequence" 03 December 2004 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AF024491.	
	C15	Miao, N. et al., "Rattus norvegicus pancreatic serine threonine kinase mRNA, complete cds." 13 Jun 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AF068261.	
	C16	NCI-cGAP, "ow16c03.x1 Soares_parathyroid_tumor_NbHPA Homo Sapiens cDNA clone IMAGE: 1646980 3' similar to WP: C24A1.3 CE08335, mRNA Sequence" 30 June 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AI040439.	
	C17	NCI-cGAP, "qw21h08.x1 NCI_CGAP_Ut4 Homo sapiens cDNA clone IMAGE: 1991775 3', mRNA Sequence" 21 December 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AI289394.	
	C18	NCI-cGAP, "qp98h10.x1 Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE: 1931107 3' similar to WP: C24A1.3 CE08335, mRNA Sequence" 28 December 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AI333762.	
	C19	NCI-cGAP, "tc09q12.x1 Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE: 2063398 3' similar to WP: C24A1.3 CE08335, mRNA Sequence" 18 March 1999 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AI375137.	

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Substitute for form 1449B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Application Number</b>	10/626,173
				<b>Filing Date</b>	June 23, 2004
				<b>First Named Inventor</b>	Raju, Jeyaseelan
				<b>Group Art Unit</b>	1652
				<b>Examiner Name</b>	Maryam Monshipouri
(use as many sheets as necessary)				<b>Attorney Docket Number</b>	MPI98-105P1RCP2DV1M
<b>Sheet</b>	3	of	6		

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Examiner Initials*	Cite No. <sup>1</sup>	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T <sup>2</sup>
	C20	NCI-cGAP, "te61c04.x1 Soares_NFL_T_GBC_S1 Homo sapiens cDNA clone IMAGE: 2091174 3', mRNA Sequence" 28 March 1999 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AI377988.	
	C21	Laidlaw, S. M. et al., "Fowlpox virus strain ank2, ank3, snap, cell, dnasell and pc1 genes." 14 July 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AJ006408.	
	C22	Koetter, P. et al., "Putative protein [Arabidopsis thaliana]" 29 July 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. CAA20048.	
	C23	Mahairas, G. G. et al., "HS_2061_A1_G12_T7 CIT Approved Human Genomic Sperm Library D Homo sapiens genomic clone Plate=2061 Col=23 Row=M, genomic survey sequence" 03 October 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. AQ242835.	
	C24	Mahairas, G. G. et al., "HS_1026_B1_D03_MR.abi CIT Human Genomic Sperm Library C Homo sapiens genomic clone Plate=CT 805 Col=5 Row=H, genomic survey sequence" 17 October 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. B35049.	
	C25	Tanaka, T. et al., "CO3950 Human heart cDNA (YNakamura) Homo sapiens cDNA clone 3NHC2459, mRNA sequence" 30 July 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. C03950.	
	C26	Irie, K. et al., "Saccharomyces cerevisiae gene for Ssp31 Protein kinase, complete cds." 29 May 2002 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. D10389.	
	C27	Toda, T. et al., "Yeast (S. cerevisiae) cAMP-Dependent Kinase subunit (TPK3) gene" 27 April 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. M17074.	
	C28	Tan, J. L. et al., "D.discoideum protein-tyrosine kinase-2 (DPYK2) mRNA, complete cds." 27 April 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. M33784.	

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		<b>Attorney Docket Number</b>	MP198-105P1RCP2DV1M

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	C29	Tan, J. L. et al., "D.discoideum protein-tyrosine kinase-1 (DPYK1) mRNA, complete cds." 27 April 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. M33785.	
	C30	Feng, X. H. et al., "Glycine max protein kinase (PK6) mRNA, complete cds." 27 April 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. M67449.	
	C31	Toda, T. et al., "cAMP-Dependent Protein Kinase Type 3 (PKA 3)" 15 March 2004 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P05986.	
	C32	Toda, T. et al., "cAMP-Dependent Protein Kinase Type 1 (PKA 1) (CDC25 suppressing protein kinase) (PK-25)" 25 October 2004 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P06244.	
	C33	Friesen, H. et al., "Sporulation-specific protein 1." 01 August 1988 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P08458.	
	C34	Lux, S. E. et al., "Ankyrin 1 (Erythrocyte ankyrin (Ankyrin R))" 01 April 1990 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P16157.	
	C35	Nuckolls, G. H. et al., "Non-receptor tyrosine kinase spore lysis A (Tyrosine-protein kinase 1)" 01 November 1990 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P18160.	
	C36	Rhodes, N. et al., "Serine/threonine-protein kinase STE11" 01 November 1991 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P23561.	
	C37	Fukami, Y., "Serine/threonine-protein kinase KIC1 (Kinase that interacts with CDC31) N-rich kinase 1)" 01 February 1995 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: <a href="http://www.ncbi.nlm.nih.gov/">URL: http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. P38692.	

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		Application Number	10/626,173
		Filing Date	June 23, 2004
		First Named Inventor	Raju, Jeyaseelan
		Group Art Unit	1652
		Examiner Name	Maryam Monshipouri
Sheet 5 of 6	Attorney Docket Number	MPI98-105P1RCP2DV1M	

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	C38	Costigan, C. et al., "Serine/threonine-protein kinase BCK1/SLK1/SSP31" 01 October 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. Q01389.	
	C39	Otto, E. et al., "Ankyrin, Brain Variant 2 (Ankyrin B) (Ankyrin, Nonerythroid)" 01 November 1995 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. Q01485.	
	C40	White R. A. et al., "Ankyrin 1 (Erythrocyte ankyrin)" 01 November 1995 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . SwissProt Accession No. Q02357.	
	C41	Hwang, D. M. et al., "F5349 Fetal Heart Homo Sapiens cDNA Clone F5349 5' end, mRNA sequence" 02 May 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. R57737.	
	C42	Chang, Y. N. et al., "orf IE94 {5' promoter region, domain A1 and A2 enhancer region} [simian cytomegalovirus SCMV, Colburn, Genomic, 751 nt]" 08 May 1993 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. S51380.	
	C43	Adler, K., "Dictyostelium discoideum AX2 protein tyrosine kinase mRNA, partial cds." 24 July 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U01064.	
	C44	Otsuka, A. J. et al., "Caenorhabditis elegans ankyrin-related protein UNC-44 (unc-44) gene, partial cds." 27 January 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U21734.	
	C45	Otsuka, A. J. et al., "Caenorhabditis elegans A013 ankyrin, A066 ankyrin and A049 Ankyrin (unc-44) gene, three alternatively spliced forms, complete cds." 04 February 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U39847.	
	C46	Gattung, S., "Caenorhabditis elegans cosmid B0350, complete sequence" 25 October 2004 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U50071.	

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		First Named Inventor	Raju, Jeyaseelan		
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		Examiner Name	Maryam Monshipouri		
Sheet	6	of	6	Attorney Docket Number	MPI98-105P1RCP2DV1M

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	C47	Lux, S. E. et al., "Human mRNA for ankyrin (variant 2.1)" 04 April 1995 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. X16609.	
	C48	Otto, E. et al., "Homo Sapiens mRNA for ankyrin, Brank-2 protein" 10 May 1999 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. X56958.	
	C49	Kato, M. et al., "H. sapiens MST mRNA for serine/threonine kinase" 30 august 1995 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. Z48615.	
	C50	Bevan, M. et al., "Arabidopsis thaliana DNA chromosome 4, ESSA I FCA contig fragment No. 2" 29 June 1999 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. Z97337.	
	C51	Bowman, S. et al., "Plasmodium Falciparum MAL3P6, complete sequence" 29 January 2003 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. Z98551.	
	C52	Cosentino, M. T. et al., "Rattus norvegicus ankyrin mRNA, membrane binding domain, partial cds." 17 February 1997 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U65916.	
	C53	Wu, L. C. et al., "Human BRCA1-associated RING domain protein (BARD1) mRNA, complete cds." 10 December 1996 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. U76638.	
	C54	Lee, K.S. et al., "S. cerevisiae BCK1 gene for protein kinase" 13 March 1992 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on January 7, 2005]. Retrieved from the Internet: URL: <a href="http://www.ncbi.nlm.nih.gov/">http://www.ncbi.nlm.nih.gov/</a> . GenBank Accession No. X60227.	

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